

L 15764-63
ACCESSION NR: AR3002647

mass. The obtained equation contains $n + 1$ terms, but the coefficients for a number of terms quickly vanish, so that it is proposed to limit the consideration of only those three last terms of this equation. The general form of the coefficients for these terms by means of the parameters of the linked system of $n + 1$ masses is given.

Applying the Lobachevskiy transformation to the obtained equation, we get the formula for the determination of the eigenfrequencies of a uni-nodal oscillation which gives the value for the frequency with a deficiency. The relative error of the equation is estimated at 1%. A numerical calculation for a nine mass system is given. The comparison with the calculation made by the remainder method makes it possible to determine the relative error of the given calculation to 0.2%. M.D. Perminov

DATE ACQ: 14Jun63

SUB CODE: PH

ENCL: 00

Card 2/2

ACCESSION NR: AT4044397

S/2835/63/000/026/0014/0019

AUTHOR: Barabashov, N. P. (Academician AN UkrSSR); Akimov, L. A.

TITLE: The structure of the lunar surface

SOURCE: Kharkov, Universitet. Astronomicheskaya observatoriya. Tsirkulyar, no. 26, 1963, 14-19

TOPIC TAGS: astronomy, moon, lunar surface, lunar albedo

ABSTRACT: In previous papers (Astr. zh., Vol. XXXIX, No. 2, 1962; Izvestiya komissii po fizike planet, No. 3, Izd-vo KhGu, 1961) the author has demonstrated the incorrectness of the supposition that the lunar surface is covered by a layer of fine dust, since such a layer does not correspond to the reflectivity of the lunar surface. The best agreement on the basis of this criterion is with a surface of highly shattered rocks in the form of pointed structures with a low albedo and also with extraordinarily porous surfaces in which the width of the pore walls is many times less than the distance between walls. In these earlier papers, the first attempt was made to compare curves of the dependence of brightness on the difference between the azimuths (Δ) of incident and reflected rays for different but equivalent angles of incidence (i) and reflection (ϵ) of light from the lunar

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ACCESSION NR: AT4044397

surface, and also the surfaces of models with rough surfaces of shattered volcanic rocks, etc. A new automatic instrument (not described) has now been devised which makes it possible to obtain, directly and conveniently, the dependence of brightness not only on i and $\angle C$, but also on A . A series of models was used in an effort to determine which materials would correspond best to the lunar surface not only for curves $B = f(i, \angle C)$, but also for curves $B = F(i, \angle C, A)$ for a difference in azimuths from 0° to 180° . The following materials were used: fractured tuff with grain size 2-5 mm; a sponge, colored by dark clay; pulverized tuff with grain size less than 0.7 mm; pulverized tuff, with individual pointed fragments of tuff (4-5 mm in height) on top; volcanic ash; pointed fragments 3-5 mm in height, 4-5 mm apart; fractured tuff with grain size about 5 mm. In all samples the grains and walls were opaque. The values obtained are presented in tables; the data confirm the author's previous conclusions: 1. the lunar surface cannot be covered by dust; 2. the law of reflection from the lunar surface differs appreciably from the law of reflection for volcanic ash; 3. the lunar surface does not resemble volcanic slag because at large $i = \angle C$ it begins to have appreciable mirror properties, especially when there is a difference of azimuths of 180° . Final confirmation

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is obtained that the surface is covered either by an extraordinarily porous spongy layer with very thin but opaque walls separating the individual pores, or by pointed, closely spaced opaque fragments consisting of shattered tuff-like volcanic rocks not having mirror properties. Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: Astronomicheskaya observatoriya Khar'kovskogo Universiteta (Astronomical Observatory, Khar'kov University)

SUBMITTED: 00

ENCL: 00

SUB CODE: AA

NO REF SOV: 002

OTHER: 000

Card 3/3

AKIMOV, L.A.

Light reflexion by lunar surface. TSir. Astron. obser. Khar.
un. no.26:43-46 '63. (MIRA 17:5)

S/853/62/000/000/001/008
A006/A101

AUTHORS: Akimov, L. M., Sklyarov, N. M.

TITLE: Methods of testing the scale-resistance of heat-resistant alloys

SOURCE: Termostoykost' zharoprochnykh splavov, sbornik statey, Ed. by. N. M. Sklyarov, Moscow, Oborongiz, 1962, 5 - 52

TEXT: The authors attempt the classification of existing scale-resistance test methods in order to select the most efficient processes for establishing standard conditions. The methods developed during the past 10 years are collected in tables 1 - 3 and divided into the following 3 classes: 1) methods to determine scale-resistance by one-time heating; 2) by multiple heating and 3) methods to determine the scale-resistance as a capacity of withstanding the effect of heat-alternation upon the mechanical properties and other operational parameters. An analysis of heating and cooling sources and of criteria for evaluating the scale-resistance, shows that an effective test method should assure loading and deformation schemes like those of mechanical tests, and yield equally simple and reliable quantitative scale-resistance evaluations; the test con-

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S/853/62/000/000/001/008
A006/A101

Methods of testing the...

ditions should be close to real operational conditions of the parts with regard to heat processes and strained state. These requirements can be met by combining the following 3 types of test: 1) Gradual accumulation of deformation by repeated effects of temperature stress; determining the elastic and plastic deformation components of a single cycle during the whole process of the test until deformation failure takes place, with simultaneous stress control. 2) Tests with rigid clamping, assuring also transverse deformation as an intermediate transition from a uni-axial to a volumetric strained state; this is most fully brought about in a free specimen. 3) Tests with free (unclamped) specimens simulating parts, for which the material under investigation is intended. There are 3 tables.

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S/853/62/000/000/007/008
A006/A101

AUTHOR: Akimov, L. M.

TITLE: Scale resistance tests of sheet materials on notched specimens

SOURCE: Termostoykost' zharoprochnykh splavov, sbornik statey, Ed. by N. M. Sklyarov Moscow, Oborongiz, 1962, 158 - 164

TEXT: Comparative tests were made with sheets of nickel-base alloys X20H80T (Kh20N80T), 3И 868 (EI868), and steel grades X24H25T (Kh24N25T) and 3И 835 (EI835). The specimens, 1.5 mm thick, with a notch ($r = 0.1$ mm) were heated to 800 and 1,100°C during 55 sec; the notched section was water-cooled to 20°C within 5 sec. The notched zone was inspected after 5 - 10 cycles. The results obtained are represented in graphs. It was found that the crack sensitivity of the materials increased under the effect of cyclic heating and cooling with the maximum cycle temperature rising from 800 to 1,100°C, and with the growth of initial grains. Nickel base alloys Kh20N80T and EI868 were more scale-resistant than steels Kh24N25T and EI835, showing lesser deformation during the cyclic tests. The notch has a negative effect on scale-resistance,

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L 14280-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) IJP(c) JD/HN/GS

ACC NR: AT6008666 (N) SOURCE CODE: UR/0000/65/000/000/0228/0235

AUTHORS: Akimov, L. M. (Kiev); Kononchuk, N. I. (Kiev); Skladnov, I. K. (Kiev); Zverev, N. I. (Kiev); Pliskin, S. M. (Kiev); Krivenko, M. P. (Kiev); Smirnov, Yu. N. (Kiev); Lazareva, N. M. (Kiev)

ORG: none

TITLE: Investigation of the effects of several factors on the fatigue characteristics of heat resistant alloys used for turbine blade manufacture

SOURCE: Vsesoyuznoye soveshchaniye po voprosam staticheskoy i dinamicheskoy prochnosti materialov i konstruktionsnykh elementov pri vysokikh i nizkikh temperaturakh, 3d. Termoprochnost' materialov i konstruktionsnykh elementov (Thermal strength of materials and construction elements); materialy soveshchaniya. Kiev, Naukova dumka, 1965, 228-235

TOPIC TAGS: heat resistant alloy, metal property, metal fatigue/ EI437B alloy, EI617 alloy, EI867 alloy

ABSTRACT: The effects of several factors on the fatigue characteristics of heat resistant alloys EI437B, EI617 and EI867 were investigated and compared with

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L 14280-66

ACC NR: AT6008666

results obtained with a normal cylindrical fatigue specimen. The specimen shown in Fig. 1 was used to obtain fatigue curves ($< 2 \cdot 10^7$ cycles) showing the effects

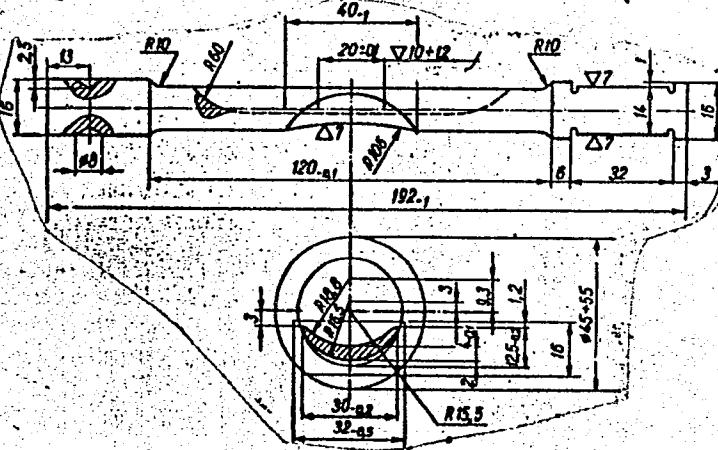


Fig. 1. Specimen geometry.

of shape (blade versus round specimen), environment (air and combustion products), cyclic heat loading, surface plating (calorizing), and temperature (373, 600, 873,

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L 14289-66

ACC NR: AT6008666

1070K) on the fatigue properties. It was found that the above factors had the following average effects on the fatigue strength: shape--20-30% lower than round specimen; combustion products--about 25% lower than in air; cyclic heat loads--EI437B (973-473-973K)--30% lower, EI617 (1073-473-1073K)--10% lower, EI867 (1173-473-1173K)--15% lower, calorizing--15% higher; decreased strength with increasing temperature. Orig. art. has: 7 figures.

SUB CODE: 11, 13, 21/ SUBM DATE: 19Aug65

Card 3/3

L 04450-67 EWT(1)

ACC NR: AP6014691

SOURCE CODE: UR/0105/66/000/005/0022/0027

AUTHOR: Akimov, L. V. (Engineer; Khar'kov); Pyshkalo, V. D. (Engineer; Khar'kov); Shamray, V. P. (Engineer; Khar'kov)39
37
B

ORG: none

TITLE: Time-optimal processes of acceleration, reversing, and deceleration in MG-set-motor drive systems

SOURCE: Elektrichestvo, no. 5, 1966, 22-27

TOPIC TAGS: motor generator, MG set, MG set motor drive, rolling mill

ABSTRACT: Time-optimal laws of variation of control input in an MG-set-motor drive system of configuration shown in the figure are considered. Differential equations describing the system were set up by the authors elsewhere; in the present article, their solution (in terms of hyperbolic functions) is analyzed. As most

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UDC: 621.34:62-581

L 04450-67

ACC NR: AP6014691

industrial high-speed applications involve oscillatory transient processes, the case of complex conjugate roots of the corresponding characteristic equation is considered. Three-, five-, and seven-interval transient processes are examined. The curves characterizing these processes are based on a practical reversing hot-rolling mill with a PBK250/145, 3320-kw, 700-v, 5150-amp, 50/120-rpm motor and a PBK215/40, 3600-kw, 700-v, 5150-amp, 425-rpm generator (time constants supplied). Only the process of acceleration is considered in detail. Orig. art. has: 5 figures and 24 formulas.

SUB CODE:309 / SUBM DATE: 01Dec65 / ORIG REF: 003

card 2/2 esf

PYSHKALO, V.D., inzh.; AKIMOV, L.V., inzh.

Determination of the electromagnetic and electromechanical time constant
of systems containing d.c. motors. Elektrotehnika 34 no.12:57-59 D '63.
(MIRA 17:1)

PYSHKALO, V.D., inzh.; AKIMOV, L.V., inzh.

Determination of time constants in systems with d.c. motors.
Elektrotehnika 35 no.10:13-14 O '64.

(MIRA 17:11)

SHAMRAY, V.P.; AKIMOV, L.V.

Improving the passing of the slab along the roller table in
rolling on a reversing cogging mill. Met. i gornorud. prom.
no.6:65-67 N-D '64. (MIRA 18:3)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKINOV, M. I.

Akimov, M. I. and Malkin, N. R.- "The movement of a physical point in a given power field along a spiral on a rough surface," Zapiski Leningr. gornogo in-ta, Vol. XV-XVI, 1949, p. 141-45

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal Inykh Statey, No. 25, 1949).

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

AKIMOV, M. M.

"Tallin, Stolitsa Estonskoy SSR," (Tallin, capitol of Estonian ~~SSR~~), 1952

XXVIII - 4

Akimov, M. N.

50-2-16/22

AUTHOR: Akimov, M. N.

TITLE: Variation of the Radiosonde "Pressure Comb" in Order to Increase the Sounding Ceiling (Ob izmenenii gребенки давления радиозонда с тселью увеличения потолка зондирования)

PERIODICAL: Meteorologiya i Gidrologiya , 1958, Nr 2, pp. 46 - 46 (USSR)

ABSTRACT: The theoretical investigations of the last years on the processes of the upper atmospheric layers were extremely important for the general dynamics of the atmosphere. The observational data of the upper layers of the atmosphere were also exploited for the computations of the pressure field. Furthermore the development of jet-propelled air-traffic demands regular reports on the actual weather conditions in heights of more than 20 km. All this demands a regular sounding of the atmosphere up to heights of 25 - 30 km. An obstacle is at present the imperfect construction of the radiosonde, that is to say, the distribution of the teeth on the node-pressure comb resp. Since the teeth of the pressure comb have the same

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50-2-16/22

Variation of the Radiosonde "Pressure Comb" in Order to Increase
the Sounding Ceiling (Ob izmenenii)

distance from one another, (after the 6th tooth) the calculated heights are obtained in ever increasing time intervals, according to the rise of the radiosonde into the air. If it is taken into consideration that data on the highest layers of the atmosphere get lost here which are of great practical importance, it is by all means necessary to abolish this shortcoming before the new model of the radiosonde is used. There is 1 reference, which is Slavic.

AVAILABLE: Library of Congress

Card 2/2

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, M.N.

Structure of fogs in Odessa. Trudy Ukr.NIGMI no.7:107-130 1957.

(Odessa--Fog)

(MIRA 11:4)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, M.N.

Changing the pressure ridge of radiosondes in order to increase
the sounding ceiling. Meteor. i gidrol, no.2:46 F '58. (MIRA 11:3)
(Radiosondes)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

L 65016-65 RNT(1)/EWG(v)/FCC GW
ACCESSION NR: AMSG100620020

AUTHOR: Akimov, M. N.

TITLE: Spectrum of fog droplet electrical charges

Journal: Izmeritel. Glavnaya radioelektronika i radiofizika, Tver, no. 177, 1959.
Language: Russian. Length: 1000 words. Date: 1959-07-01.

TOPIC TAGS: atmospheric electricity, aerosol insulation, natural aerosol, fog, droplet charge determination - USSR

ABSTRACT: The study of the value of electrical charge in individual fog and cloud droplets.

In 1958 in the Tver region four experiments were carried out on the spectrum of droplets in the air near the coast. During the four experiments carried out with the Millikan oil-drop experimental technique, the visibility varied between 0.5 and 2 m. Results are

Card 1/3

L 65016-65

ACCESSION NO: A75019956

summarized in Fig. 1 of the Enclosure. These agree with the empirical formula

NO REF Sov: 004

OTHEP: 000

ATD PRESS: 4083

Card 2/3

165016-65

CONFIDENTIAL NR 07001225A

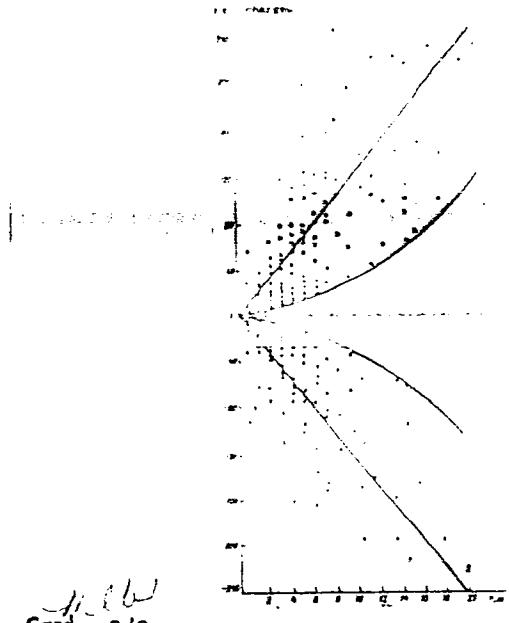


Fig. 1. Distribution of the fog droplet electrical charge q vs the droplet radius r . Lines 1 and 2 are linear fits to the data points.

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L 40279-66 EWT(1)/FCC GW
ACC NR: AR6014565 SOURCE CODE: UR/0169/65/000/011/B041/B041
AUTHOR: Akimov, M. N. 62
TITLE: The spectrum of electric charges of fog droplets B
SOURCE: Ref. zh. Geofizika, Abs. 11B293
REF SOURCE: Tr. Gl. geofiz. observ., vyp. 177, 1965, 76-80
TOPIC TAGS: fog, electric field, electric potential, electric conductivity, atmospheric visibility

ABSTRACT: The charge q and size r of particles of advective fogs, the air conductivity, and the potential gradient of the electric field at an altitude of 42 m above sea level were measured in November—December 1962 at the Odessa Observatory. In all, four observations were made, during which the visibility varied from 100 to 800 m (by visual estimate). The averaged readings of the instrument for recording the strength of the electric field had a well-expressed shape with a maximum occurring after approximately 2/5 of the total duration of the fog. The field strength began to increase shortly before the onset of the fog, and it continued to drop until the end of the fog. The peak of the field strength exceeded by several times the corresponding value for normal days. The conductivity of the air was 10^{-6} to $2 \cdot 10^{-6}$ sec $^{-1}$ esu and varied little. The polar conductivities of the air were identical.
Card 1/2 UDC: 551.575:551.594.25

L 40279-66

ACC NR: AR6014565

After dissipation of the fog, the conductivity in all four observations was greater than before the onset of the fog. A table and a graph of the distribution of the charges q of the fog droplets as a function of radius r are given. The value of q/r fluctuates about an average value on the order of 10; hence, it follows that, on the average, the sizes and charges are connected by a linear relation. The average value of the coefficient k_1 in the relation $|q|_{av} = k_1 r$ (where r is expressed in microns and q in elementary charges) was found to be 11. N. Krasnogorskaya *[Translation of abstract]*

SUB CODE: 04

Card 2/2/MCP

AKIMOV, M. P.

Akimov, M. P. and Berestov, A. I. "A comparative biocenotic analysis of the animal population of the region of the Dnieper rapids and Dnieper reservoirs in the first years of its existence," Nauch. zapiski (Dnepropetr. gos. un-t), Vol. XXXII, 1948, p. 161-76 - Bibliog: 12 items

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, M.P.

Biomorphologic method of the study of biocenosis. Binl. MOIP.
Otd. biol. 59 no.3:27-36 My-Je '54. (NLRA 7:7)
(BIOLOGY,
biocenosis)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, M.P. [deceased]; DIOMIDOVА, T.A.

Zooecological characteristics of plantations in the Veliko-Anadol' massif. Nauk.zap.Dnipr.un. 48:141-150 '55. (MIRA 10:11)
(Ol'ginka District--Forest fauna)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

AKIMOV, M.P., dotsent, kand.biolog.nauk; BARABASH-NIKIFOROVA, I.I., prof.,
red.; YANKOVSKAYA, Z.B., red.; OKOPNAYA, Ye.D., tekhnred.

[Animal ecology] Ekologija zhivotnykh. Kiev, Izd-vo Kievskogo
univ., 1959. 174 p. (MIRA 13:4)
(Zoology--Ecology)

VINOGRADOV, S.V.; CERASIMOVA, G.A.; KUZ'MINA, M.S.; AKIMOV, M.V.

Produce high quality meat only. Veterinariia 42 no.10:3-6 0 '65.
(MTRA 18:10)

1. Veterinarno-sanitarnaya inspeksiya pri Sovete narodnogo
khozyaystva RSFSR.

AKIMOV, N., narodnyy khudozhnik RSFSR.

A most valuable tool for documentary information. Sov. foto 17 no.3:
17-20 Mr '57. (MIRA 10:6)
(Photography)

AKIMOV, N.A.

Use of heat-resistant concrete for lining pyrite kilns.
Bum.prom. 35 no.7:21-22 Je '60. (MIRA 13:8)

1. Glavnyy mekhanik Vyborgskogo kombinata.
(Vyborg—Paper industry—Equipment and supplies)
(Pyrites)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, N.F., podpolkovnik; DOTSENKO, I.S., podpolkovnik, voyennyy letchik
pervogo klassa

The main thing for a Communist is to fly perfectly without accidents.
Vest.Vozd.F1 no.5:8-12 My '60. (MIRA 13:?)
(Aeronautics--Safety measures)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, N.I.; VOLKOV, S.P.; KONOVALOVA, N.A.; OSINOVSKAYA, R.I.; PLISKO,
Yu.Yu.; SEVEROV, M.N.; STEPANOV, L.A.; SHCHUKIN, V.Ya.; VORONI-
CHEV, M.P., red.; TSARENKO, A.P., red.; VERINA, G.P., tekhn.red.

[International railroad transportation] Mezhdunarodnye zhelezno-
dorozhnye soobshcheniya. Pod red. M.P.Voronicheva. Moskva, Gos.
transp.zhel-dor.izd-vo, 1959. 242 p. (MIRA 13:2)
(Railroads)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

AKIMOV, N.I., inzh.

New international rail and water transportation. Zhel.-dor.
transp. 43 no.9:85-87 S '61. (MIRA 14:8)
(Transportation--International cooperation)

AKIMOV, N.M.

USER/ Engineering - Machine tools

Card : 1/1

Authors : Novikov, I. I. and Akimov, N. M.

Title : A highly-efficient device for rolling semi-finished components with complicated profiles.

Periodical : Stan. i Instr., Ed. 6, 33 - 34, June 1954

Abstract : The employees of the machine construction industry in cooperation with the scientific institute, designed and built a device for rolling semi-finished components with complicated profiles on a turret lathe. Description of the above device, is presented. Diagrams; illustration.

Institution : ...

Submitted : ...

AKIMOV, P., prof.

Calculation of the heat balance of the engine while in operation.
Mor. flot 25 no.4:27 Ag '65. (MIRA 18:6)

1. Leningradskoye vyssheye inzhenernoye morekhodnoye uchilishche
im. admirala Makarova.

~~AKINOV~~

Factory university. Sov.profsoivzy 5 no.8:52-54 Ag '57.
(MLRA 10:8)

1.Predsedatel' zavodskogo komiteta profsoyuza Uralmashzavoda.
(Machinery industry)
(Employees, Training of)

AKIMOV, Petr Aleksandrovich; BREDIKHIN, A.M., red.; KRYLOVA, V.I.,
red.; BALLOD, A.I., tekhn. red.; DEYEVA, V.M., tekhn.
red.

[Ornamental trees and shrubs] Dekorativnye derev'ia i ku-
starniki. Moskva, Sel'khozizdat, 1963. 262 p.
(MIRA 17:3)

GROZDOV, Boris Vladimirovich, prof., doktor biol. nauk;
GOLOVACH, A.G., kand. biol. nauk, retsenzent; AKIMOV,
P.A., dots., kand. sel'khoz. nauk, otd. red.;
ANPILOGOV, A.V., red.

[How to make a herbarium; collection and drying of plants.
Textbook for students of the forestry faculty] Kak sostav-
liat' gerbarii; sbor i zasushivanie rastenii. Uchebnoe po-
sobie dlja studentov lesokhuziaistvennogo fakul'teta. Le-
ningrad. Vses. zaochnyi lesotekhn. in-t, 1964. 66 p.
(MIRA 18:7)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0

AKIMOV, P. L.

AKIMOV, P.L.

Reducing the period of planning lumbering enterprises. Les.prom.
14 no.7:15-17 Jl '54. (MLRA 7:7)

1. Zamestitel' glavnogo inshenera Spetslesproyekta.
(Lumbering)

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100620020-0"

~~AKIMOV R. I.~~

Machine builders' health. Zdorov'e 2 no.8:11-13 Ag '56. (MIRA 9:9)

1. Predsedatel' zavodskogo komiteta Uralmasha.
(MACHINERY INDUSTRY) (INDUSTRIAL HYGIENE)

AKIMOV, PAVEL PETROVICH.

Sudovye silovye ustanovki i mekhanizmy. Utverzhdeno ... v kachestve
uchebnika dlja vyssikh morekhodnykh uchilishch. Moskva, Morskoi transport,
1947. 525 p. diagrs.

Bibliography: page at end.

(Marine power plants and mechanisms.)

DLC: VM731.A59

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953

AKIMOV, P., kandidat tekhnicheskikh nauk.

Steam power installations on the ship "Dmitrii Pozharskii." Mor.
flot 7 no.1:17-19 Ja '47. (MLRA 9:5)
("Dmitrii Pozharskii" (Ship)) (Boilers, Marine)

ACC NR: AT7002523

SOURCE CODE: UR/0000/66/000/000/0212/0213

AUTHOR: Akimov, P. A.

ORG: Department of Pharmacology and Pharmacy, VMOLA im. S. M. Kirov (Kafedra farmakologii i farmatsii VMOLA)

TITLE: Effect of cystamine on the phagocytic activity of rabbit blood leukocytes

SOURCE: AN SSSR. Nauchnyy sovet Radiobiologiya. Zashchita i vosstanovleniye pri luchevykh povrezhdeniyakh (Protection and repair from radiation damage). Moscow, Izd-vo Nauka, 1966, 212-213

TOPIC TAGS: blood chemistry, biochemistry, blood, radioprotective agent, leukocyte, hematology, rabbit

ABSTRACT: Two series of experiments were conducted. In the first series cystamine was tested in vitro in concentrations of 1.0-0.0078125% on a 2% solution of sodium citrate. Phagocytosis of the leukocytes was determined with respect to a 1-day-old culture of staphylococcus 20%. In the second series of experiments cystamine was injected once intravenously into rabbits in a dose of 50 mg/kg. The results of the first experiment showed that under the effect of the test concentrations of cystamine the number of active leukocytes did not change but their phagocytic activity increased. In the second series the injection of cystamine in a dose of 50 mg/kg also stimulated the phagocytic activity of the rabbit leukocytes. Orig. art. has 2 tables. [26]

SUB CODE: 06/SUBM DATE: 25Aug66/ORIG REF: 002/ATD PRESS: 5117

PA 22T89

AKIMOV, Pavel Petrovich
AKIMOV, P.

Sep 1947

USSR/Naval Science
Engines, Marine
Boilers

"Improving the Filtering of Oil from Water in Ship
Boiler Equipment," P. Akimov, 2 pp

"Morskoy Flot" No 9

It is well known that if boiler water contains oil, it lowers the thermal conductivity of the water and lowers the efficiency of the boilers. The author gives a schematic diagram of his suggestions as to how to increase the efficiency of filtering the oil out of the water which is fed to the boilers.

22T89

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Marine power plants (Silovyye ustavki morskikh sudov) 2d ed., rev.
Moscow, Izd-vo "Transport", 1965, 290 p. illus., biblio., fold.
charts. Errata slip inserted. 7000 copies printed.

TOPIC TAGS: marine power plant, marine steam engine, marine gas turbine, marine nuclear plant, marine auxiliary machinery

PURPOSE AND COVERAGE: This is a manual on marine power plants intended for use in navigation and ship-maintenance schools. It can be used for educational purposes, whether individually or in groups. The book may also be useful for schools of the fishing industry as well as for improving the qualifications of officer personnel on transport and industrial craft. General operating principles of marine power plants are discussed. Fuel, lubricant, and water properties, the installation and problems of using steam boilers, steam engines, internal combustion engines; gas turbines and nuclear power plants are also considered. In addition deck machinery,

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marine pumps, refrigerating plants, and the problems of installing main and auxiliary machinery in marine engine rooms are discussed. The main sections in the book are concluded with step-by-step instructions for students.

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Ivan Vikent'evich Studzinskii; on his 70th birthday. Vrach.delo
no.51549 My '58 (MIRA 11:?)
(STUDZINSKII, IVAN VIKENTEVICH, 1888-)

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Problemy khimii i kataliza. [v.1] 10: Fizika i fiziko-khimiya kataliza (Problemy khimii i kataliza). [vol. 1] 10: Physics and Physico-Chemistry of Catalysis. Moscow, Izd-vo Akad. Nauk SSSR, 1960. 461 p. Errata 2,600 copies printed.

26. 1. 8.2. Fizicheskiy Corresponding Member of the Academy of Sciences USSR, and G.V. Krylov*, Director of Chemistry, Ed. of Publishing House: A.I. Smirnov; 2nd edn. Ed. of Chemistry: G.A. Adarov.

REPORT: This collection of articles is addressed to chemists and chemists and to the community of scientists in general interested in recent research on the physics and physical chemistry of catalysis.

CONFERENCE: The articles in this collection were read at the conference on the Physics and Physical Chemistry of Catalysis organized by the Order of Merit which was held at Moscow (Section of Chemical Sciences, Academy of Sciences USSR) and by the Academic Council on the problems of the scientific base for the selection of catalysts. The Conference was held at the Institute Fizicheskoy Khimii AN SSSR (Institute of Physical Chemistry of the AS USSR) in Moscow, March 20-23, 1958. On the great volume of material presented at the conference, only papers published elsewhere were included in this collection.

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Probl. kin. i kat. 10:95 '60. (MIRA 14:5)

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S '60. (MIRA 13:9)

(Oil fields--Production methods)
(Automation) (Remote control)

s/081/62/000/015/010/038
B168/B101

AUTHOR: Akimov, V. F.

TITLE: A device for determining the specific resistance of electrolytes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 15, 1962, 325, abstract
15I142 (Tr. Gos. Vses. issled. i proyektn. inst.
Giprovostokneft', no. 4, 1961, 232 - 264)

TEXT: A ferrodynamic device without mechanical counteracting moment was tested as a gage for measuring the resistance of an electrolyte (by means of a four-electrode cell). The primary element was an electrode cell consisting of four permalloy plates measuring 0.1·40·60 mm. The distance between the potential electrodes was 2 mm, that between the potential and current electrodes ~1 mm. The zero mark was in the centre of the scale. Investigations showed good reproducibility of the readings and confirmed that the measurements were efficient and sufficiently accurate for industrial purposes. The device can be used for measuring the specific resistance and concentration of aqueous solutions of salts, clay slurries and

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